

II. AMENDMENT TO THE CLAIMS:

Claims 1-4. (canceled)

Claim 5. (New) A tape to bridge a gap between adjacent building modules and to sealably engage adjacent generally coextensive edge strips of roof membranes covering the modules, the tape comprising:

an elastomeric adhesive layer having a tacky lower surface and an oppositely facing upper surface;

a porous reinforcing layer within the adhesive layer; and

a release strip temporarily adhered to and covering the tacky lower surface of the adhesive layer, the release strip being removable from the adhesive layer to permit positioning of the tape over the gap between the building modules with the adhesive layer overlapping and adhered to the edge strips of the roof membranes;

the tape being sufficiently rigid transversely to form a self supporting bridge resistant to detrimental sagging into the gap between the building modules when positioned over the gap with the adhesive layer adhered to the edge strips of the roof membranes.

Claim 6. (New) The tape according to claim 5, characterized by the porous reinforcing layer comprising porous scrim material embedded within the adhesive layer.

Claim 7. (New) The tape according to claim 6, characterized by the scrim material comprising an elongate strip of generally flat material having a multiplicity of interstices, with the adhesive layer extending through said interstices between said lower and upper surfaces.

Claim 8. (New) The tape according to claim 7, characterized by the scrim material being selected from the group consisting of an absorbent or woven cloth, porous fiberglass fabric, wire or plastic screen mesh, perforated plastic or metal strip, and other permeable or porous material through which a non-solid may penetrate or be forced.

Claim 9. (New) The tape according to claim 6, characterized as being sufficiently flexible longitudinally to permit its being rolled for storage, shipment and handling, and unrolled for application and use.

Claim 10. (New) The tape according to claim 6, characterized as being sufficiently flexible

transversely to conform to an angle between non-coplanar edge strips of the roof membranes with the adhesive layer adhered to said edge strips.

Claim 11. (New) The tape according to claim 6, characterized by said adhesive layer comprising at least one of the materials selected from the group consisting of EPDM, EPR, TPO, PVC, Neoprene, Butyl, Polyisobutylene, Halogenated Butyl, Halogenated Polyisobutylene, Isobutylene, reclaimed Butyl, natural rubber and Polydimethylsiloxane (PDMS).

Claim 12. (New) The tape according to claim 11, characterized by the adhesive layer comprising a blend consisting primarily of uncured Butyl mixed with other semi-cured polymers to provide the adhesive layer in an initial semi-cured condition.

Claim 13. (New) The tape according to claim 6, characterized by the adhesive layer having a thickness of between approximately 0.040 to 0.060 inch with the reinforcing scrim embedded therein.

Claim 14. (New) The tape according to claim 6, characterized as provided to bridge a gap of a specified maximum width between the building modules; and further characterized by the width of the reinforcing layer being at least approximately equal to the specified maximum gap width.

Claim 15. (New) The tape according to claim 6, characterized by the adhesive layer comprising cross-linked polymers.

Claim 16. (New) The tape according to claim 5 further comprising a protective outer layer permanently adhered to the upper surface of the adhesive layer.

Claim 17. (New) The tape according to claim 16, characterized as provided to bridge the gap between building modules having roof membranes of a specified base compound; and further characterized by the protective outer layer being non-adhesive, of a thickness of between approximately 0.030 to 0.060 inch, and formed of a base compound the same or similar to the specified base compound of the roof membranes.

Claim 18. (New) A tape provided to bridge a specified maximum gap between adjacent building modules and to sealably engage adjacent generally coextensive edge strips of roof membranes covering the modules, the tape comprising:

- an elastomeric adhesive layer having a tacky lower surface and an oppositely facing tacky upper surface, the adhesive layer being substantially equal in width to the specified maximum gap width plus the aggregate widths of the coextensive edge strips of the roof membranes;

- a porous reinforcing material embedded in the adhesive layer, the reinforcing material comprising scrim material having a multiplicity of interstices therein, the reinforcing material being of a width of at least approximately the specified maximum gap width and less than the width of the adhesive layer;

- the adhesive layer extending through said interstices of the reinforcing scrim between said lower and upper surfaces; and

- a release strip temporarily adhered to the lower surface of the adhesive layer, the release strip being removable from the lower surface to permit positioning of the adhesive layer with the reinforcing material embedded therein lengthwise over the gap between the building modules with the tacky lower surface overlapping and sealingly adhering to the coextensive edge strips of the roof membranes;

- the adhesive layer with the reinforcing material embedded therein having a thickness of between approximately 0.040 to 0.060 inch and being sufficiently rigid transversely to form a self supporting bridge resistant to detrimental sagging into the gap between the building modules when positioned over the gap with the tacky lower surface adhered to the coextensive edge strips of the roof membranes;

- the adhesive layer with the reinforcing material embedded therein further being sufficiently flexible transversely to permit its selective deformation to generally conform to the angle between non-coplanar roof sections of building modules and adhesion of the tacky lower surface to the coextensive edge strips of roof membranes covering such roof sections, and

- the adhesive layer with the reinforcing material embedded therein further being sufficiently flexible longitudinally to be rolled for storage, shipment and handling, and unrolled for application over the gap between the building modules.

Claim 19. (New) The tape according to claim 18, characterized by the adhesive layer comprising at least one of the materials selected from the group consisting of EPDM, EPR, TPO, PVC, Neoprene, Butyl, Polyisobutylene, Halogenated Butyl, Halogenated Polyisobutylene, Isobutylene, reclaimed Butyl, natural rubber and Polydimethylsiloxane (PDMS); and further characterized by the scrim material being selected from the group consisting of an absorbent or woven cloth, porous fiberglass fabric, wire or plastic screen mesh, perforated plastic or metal strip, and other permeable or porous material through which a non-solid may penetrate or be forced.

Claim 20. (New) The tape according to claim 18, characterized by further comprising a protective outer layer permanently adhered to and covering the tacky upper surface of the adhesive layer, the protective outer layer being non-adhesive and having a thickness of between approximately 0.030 to 0.060 inch.

Claim 21. (New) The tape according to claim 18, characterized by the adhesive layer comprising cross-linked polymers.

Claim 27. (New) A roof system for a building including adjacent building modules with roof sections having a gap therebetween, the roof system comprising:

roof membranes covering the roof sections and providing coextensive spaced edge strips along the gap;

a tape positioned over the gap, the tape comprising:

an elastomeric adhesive layer having a tacky upper surface and an oppositely facing tacky lower surface sealably adhered to the spaced edge strips of the roof membranes, and

a porous reinforcing layer embedded within the adhesive layer;

the adhesive layer and embedded reinforcing layer being provided flexible longitudinally for rolling with a release strip temporarily adhered to one of said tacky surfaces, and for unrolling lengthwise over the gap; and

a protective outer layer adhered to the upper surface of the adhesive layer;

the tape and protective outer layer cooperatively establishing a self supporting bridge resistant to detrimental sagging into the gap between the roof sections;

the tape and protective outer layer being cooperatively flexible transversely to permit selective deformation to generally conform to an angle between non-coplanar roof sections, and to permit adhesion of said tacky lower surface to the coextensive edge strips of the roof membranes covering such roof sections.

Claim 22. (New) A roof system for a building including adjacent building modules with roof sections having a gap therebetween, the roof system comprising:

roof membranes covering the roof sections and providing coextensive spaced edge strips along the gap;

a tape positioned over the gap, the tape comprising:

an elastomeric adhesive layer having a tacky upper surface and an oppositely facing tacky lower surface sealably adhered to the spaced edge strips of the roof membranes, and

a porous reinforcing layer within the adhesive layer; and

a protective outer layer adhered to the upper surface of the adhesive layer;

the tape and protective outer layer cooperatively establishing a self supporting bridge resistant to detrimental sagging into the gap between the roof sections.

Claim 23. (New) The roof system according to claim 22, characterized by the reinforcing layer comprising scrim material embedded within the adhesive layer, the scrim material having a multiplicity of interstices therethrough; the adhesive substantially extending through said interstices between said lower and upper tacky surfaces.

Claim 24. (New) The roof system according to claim 23, characterized by the width of the adhesive layer being substantially equal to the width of the gap between the adjacent roof sections plus the aggregate width of the coextensive edge strips of the membranes; and by the width of the scrim being at least approximately equal to the width of the gap between the roof sections.

Claim 25. (New) The roof system according to claim 23, characterized by (i) providing the tape in a roll with the reinforcing scrim embedded in the adhesive layer and with a release strip temporarily adhered to one of the tacky surfaces of the adhesive layer, (ii) unrolling the tape and removing the release strip from said one tacky surface, (iii) positioning the tape lengthwise over the gap, and (iv) adhering the lower tacky surface of the adhesive layer to the spaced edge strips of the roof membranes.

Claim 26. (New) The roof system according to claim 23 characterized by the edge strips of the roof sections being non-coplanar; and the tape being sufficiently flexible transversely to conform to the angle between the non-coplanar edge strips with the tacky lower surface adhered thereto.